

## **Push Pull Power / Push Pull Power AIDA**

PUR 5x2.5 gy UL/CSA+drag ch. 30m

Male straight - male straight PPP - PPP, 5-pole Push Pull Power

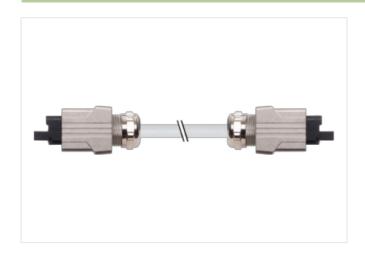
Further cable lengths on request.

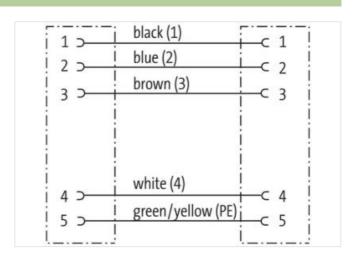
Plastic housings with good resistance against chemicals and oils.

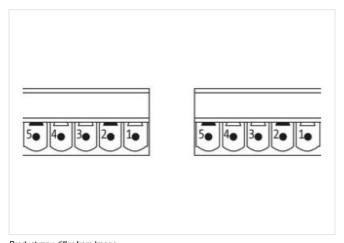
The resistance to aggressive media should be individually tested for your application. Further details on request.

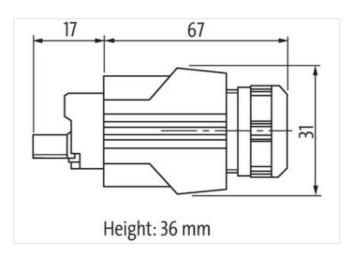
## **Link to Product**

## Illustration









Product may differ from Image

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The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



stay connected

ETM 5.0 EC002599  customs staff number  85446290  GTN 404887118649  Packaging unit  1  Electrical data   Supply  Operating voltage AC max. 24 V  Operating voltage DC max. 16 A  Device protection   Electrical  Degree of protection   Electrical  Bogroe of protection   Electrical  Degree of protection   Electrical  Bogroe of protection   Electrical  Bogroe of protection   Electrical  Environmental characteristics   Climatic  Environmental characteri	ECLASS-12.0	27060327
Customs fariff number         85444290           GTIN         4048879113649           Peckaging mit         1           Electrical data   Supply           Operating voltage AC max.         24 V           Current operating per contact max.         16 A           Device protection   Electrical           Device protection   Electrical           Device protection (EN IEC 05029)         [P65, IP67]           Additional condition protection degree         inserted, screwed           Mechanical data   Mounting data           Looking bothniques         Push Pull           Environmental characteristics   Climatic           Operating temperature max.           40 °C         Occurrent geographitum emin.           40 °C         Additional condition temperature range         depending on cable quality           Installation   Cable         Cable identification         962           Cable identification         962         Cable identification         962           Cable identification         962         Cable identification of cable (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray         1         Stranding         1         Stranding	ETIM-5.0	EC002599
CTN         4048879118499           Packaging unit         1           Electrical facia Is Supply         24 V           Operating voltage AC max.         24 V           Cymer operating voltage DC max.         24 V           Operating voltage DC max.         24 V           Operating voltage DC max.         26 N           Overloe protection (EM ICE 60529)         IP65, IP67           Additional condition protection degree         Inserted, screwed           Mechanical data I Mounting data         Looking techniques         Push Pull           Environmental characteristics I Climatic         Coperating temperature min.         40 °C           Operating temperature max.         85 °C         Additional condition temperature may.         85 °C           Additional condition temperature may.         85 °C         Additional condition temperature may.         85 °C           Cable identification         962         2           Cable identification         962         2           Cable identification         962         3           Trinsing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacker Color         gray           Vipe of Certificate         URUs           Wire a	customs tariff number	
Packaging unit    Electrical data   Supphy		
Electrical data   Supply   Operating voltage AC max.   24 V   Operating voltage AC max.   16 A   Operating voltage AC max.   Operating temperature min.   Operating temperature max.   Operating voltage AC max.   Operating temperature max.		
Operating voltage AC max.         24 V           Operating voltage DC max.         24 V           Current operating per contact max.         16 A           Device protection (Electrical)           Degree of protection (Electrical)         IPBS, IPB7           Additional condition protection degree         methods.           Mechanical data Mounting data         Looking techniques           Environmental characteristics [Climatic         Push Pull           Environmental characteristics [Climatic         Push Pull           Operating temperature min.         40 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Sec           Cable intentification         982           Cable intentification of vire insulation         982           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weight         190.3 g/m           Material jacket         PUR      <		
Operating voltage DC max.         24 V           Current operating per contact max.         16 A           Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Mechanical datal Mounting data         Looking techniques         Push Pull           Environmental characteristics   Climatic         Visional persperature min.         40 °C           Operating temperature max.         85 °C         Additional condition temperature max.           Additional condition temperature max.         85 °C         Additional condition temperature max.           Additional condition temperature max.         85 °C         Additional condition temperature max.           Additional condition temperature max.         85 °C         Additional condition temperature max.           Additional condition provential temperature max.         85 °C         Additional condition temperature max.           Additional condition provential temperature max.         85 °C         Additional condition provential maximum m		
Current operating per contact max.         16 A           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree inserted, screwed           Mechanical data   Mounting data         Push Pull           Environmental characteristics   Climate         Push Pull           Environmental characteristics   Climate         Operating temperature mix.         40 °C           Operating temperature max.         45 °C         Additional condition temperature range.         depending on cable quality           Installation   Cable         Cable identification         962           Cable identification         962         Additional condition insuperature range.         962           Cable of Pype         3         Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           West action of wire insulation         green yellow, blue 2, black 1, white 4, brown 3           Cable weight         190,3 g/m           Material jacket         PUR     <		
Degree of protection   Electrical Degree of protection (EN EC 60529)   IP65, IP67 Additional condition protection degree inserted, screwed   Inserted, screwed		
Degree of protection (EN IEC 6052s) IP65, IP67 Additional condition protection degree inserted, screwed	· · · · · · · · · · · · · · · · · · ·	16 A
Additional condition protection degree         Inserted, screwed           Mechanical data   Mounting data         Push Pull           Environmental characteristics   Climatic         Push Pull           Environmental characteristics   Climatic         Coperating temperature min.         40 °C           Operating temperature max.         85 °C         Additional condition temperature range depending on cable quality         Additional condition temperature range depending on cable quality           Installation   Cable         Cable identification         962           Cable Installation   Cable         Sec         Cable (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray         Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray         Printing color of wire insulation         1           Stranding         1         1           Stranding         1         1           Stranding         5 wires around Filler twisted           Filler         yes           Wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weight         190.3 g/m           Material gocket         PUR           Shore Admitances (acket)	Device protection   Electrical	
Mechanical data   Mounting data         Push Pull           Environmental characteristics   Climatic         Push Pull           Operating temperature min.         40 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable           Cable Installation of wire insulation         962           Cable Type         3           Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           vera grangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigth         190,3 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         9.5 shore A           Freedom from ingredients (jacket)         1.5 %           Outer diameter (jacket)         9.5 mm           Tolerance outer diameter (sheath)         ±.5 %           Material jacket         p.<	Degree of protection (EN IEC 60529)	IP65, IP67
Looking techniques         Push Pull           Environmental characteristics   Climatic           Operating temperature min.         40 °C           Operating temperature max.         85 °C           Additional condition temperature range depending on cable quality         depending on cable quality           Installation   Cable         Cable identification         962           Cable Type         3         Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigh         190,3 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         9.5 mm           Outer diameter (jacket)         ± 5 %           Amount wires         5           Outer diameter (sheath)         ± 5 %           Material jacket         5	Additional condition protection degree	inserted, screwed
Environmental characteristics   Climatic           Operating temperature min.         -40 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Total identification           Cable identification         962           Cable Type         3           Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weight         190,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         9,5 mm           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         2.5 mm           Outer diamet	Mechanical data   Mounting data	
Operating temperature min.         -40 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Total properature max           Cable Identification         962           Cable Type         3           Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigh         190,3 g/m           Material jacket         PUR           Shore A         PER           Shore A         PER           Shore Air gradients (jacket)         9.5 mm           Toler-diameter (jacket)         9.5 mm           Toler-diameter (jacket)         2.5 %           Material wire insulation         2.85 mm           Outer diameter (jacket)         2.85 mm           Outer diameter insulation         2.85 mm           Outer diameter in	Looking techniques	Push Pull
Operating temperature min.         -40 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Installation   Cable         Total properature max           Cable Identification         962           Cable Type         3           Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigh         190,3 g/m           Material jacket         PUR           Shore A         PER           Shore A         PER           Shore Air gradients (jacket)         9.5 mm           Toler-diameter (jacket)         9.5 mm           Toler-diameter (jacket)         2.5 %           Material wire insulation         2.85 mm           Outer diameter (jacket)         2.85 mm           Outer diameter insulation         2.85 mm           Outer diameter in	Environmental characteristics   Climatic	
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 962 Cable interest of the installation   Sea Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black)  Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Filler twisted  Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3 Cable weigh 190,3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Couter diameter tolerance core insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation black (wire) 140 Diameter of single wires 0,15 mm Conductor crosssection (wire) 2,5 mm² Conductor type (wire) strandic copper wire, bare  Additional cable quality (isolation black)  ### Cable Weigh (isolation black)  #	·	-40 °C
Additional condition temperature range depending on cable quality  Installation   Cable  Cable identification 962  Cable identification 962  Cable identification 962  Cable identification 962  Cable identification black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Jacket Color gray  Type of Certificate cURlus  Amount stranding 1  Stranding 5 wires around Filler twisted  Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter tolerance core insulation 1 ± 5 %  Shore hardness wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 elad-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation 1 black (white isolation), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 5 stranded copper wire, bare  Conductor type (wire) 5 stranded copper wire, bare		
Cable Identification         962           Cable Identification         962           Cable Type         3           Printing color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigth         190,3 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         9,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Printing color of wire insulation         black (white		
Cable Identification 962  Cable Type 3  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Filler twisted  Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Cuter diameter insulation 2,85 mm  Outer diameter insulation 60 ± 5 Shore D  Ingredient freeness wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Material swire insulation black (white isolation), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Material ordinater of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		depending on cable quality
Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black) Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3 Cable weight 190,3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 2,85 mm Outer diameter rolerance core insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation brown), white (isolation black) Amount strands (wire) 140 Diameter of single wires 0,15 mm² Material solution (wire) 5 tranded copper wire, bare Onductor type (wire) strand class 6	·	
Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Jacket Color gray Type of Certificate cURus  Amount stranding 1  Swires around Filler twisted  Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness yicket 90±5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PP  Amount wires 5  Outer diameter or insulation 2,85 mm  Outer diameter or insulation PP  Affice or insulation 2,85 mm  Outer diameter or insulation 2,85 mm  Outer diameter insulation 60±5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		
Jacket Color         gray           Type of Certificate         cURus           Amount stranding         1           Stranding         5 wires around Filler twisted           Filler         yes           wire arrangement         green-yellow, blue 2, black 1, white 4, brown 3           Cable weigth         190,3 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         9,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         2,85 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Printing color of wire insulation         black (white isolation), white (isolation brown), white (isolation black)           Amount strands (wire)         140           Diameter of single wires         0,15 mm²           Conductor crosssection (wire) <td< td=""><td></td><td></td></td<>		
Type of Certificate cURus  Amount stranding 1  Stranding 5 wires around Filler twisted  Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3 Cable weigth 190,3 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 9,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Frinting color of wire insulation black (white isolation), white (isolation brown), white (isolation black) Amount strands (wire) 140 Diameter of single wires 0,15 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6		
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Filler yes wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6	Amount stranding	
wire arrangement green-yellow, blue 2, black 1, white 4, brown 3  Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strands class 6		5 wires around Filler twisted
Cable weigth 190,3 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		•
Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       9,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       2,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       60 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)         Amount strands (wire)       140         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       2,5 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6	*	• • • • • • • • • • • • • • • • • • • •
Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire (Stranded copper wire, bare)  Conductor type (wire) stranded cadmium-free (CFC-free) silicone-free)  Stranded copper wire, bare		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 9,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 2,85 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 60 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire) 140  Diameter of single wires 0,15 mm  Conductor crosssection (wire) 2,5 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		
Outer-diameter (jacket)       9,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       2,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       60 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)         Amount strands (wire)       140         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       2,5 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6	<u> </u>	
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Material wire insulation       PP         Amount wires       5         Outer diameter insulation       2,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       60 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)         Amount strands (wire)       140         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       2,5 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6	<b>U</b> /	9,5 mm
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Outer diameter insulation       2,85 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       60 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Printing color of wire insulation       black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)         Amount strands (wire)       140         Diameter of single wires       0,15 mm         Conductor crosssection (wire)       2,5 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6	Material wire insulation	
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Shore hardness wire insulation  Ingredient freeness wire insulation  Printing color of wire insulation  black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)  Amount strands (wire)  140  Diameter of single wires  0,15 mm  Conductor crosssection (wire)  2,5 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6		
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Conductor crosssection (wire)  2,5 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6	( )	
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6		·
Conductor type (wire) strand class 6		
27 1 1		
Traversing distance (C-track) 5 m @ 25 °C		
Nominal voltage AC max. 1000 V		
Current load capacity (standard) to DIN VDE 0298-4		
Current load capacity min. wire 19,5 A		
Electrical resistance line constant wire 8 Ω/km @ 20 °C	Electrical resistance line constant wire	8 Ω/km @ 20 °C
Min. operating temperature (static) -50 °C	Min. operating temperature (static)	-50 °C



Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min